

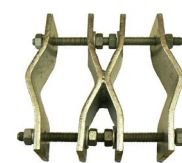
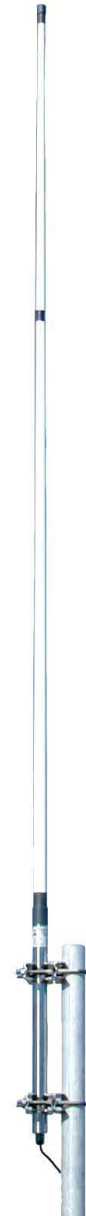
Omni-directional VHF collinears

VHF 70-140MHz

These VHF omni-directional fixed position collinears are suitable for two-way radio and other systems operating within the VHF 70-140MHz frequency range.

Mounting hardware, coaxial feeder cables, connectors and other installation accessories are all available separately.

Specifications	G11	G12
Construction	White fibreglass radome, aluminium mount section and tri-metal plated termination	
Frequency range	VHF 70-85MHz	VHF 85-140MHz
Maximum bandwidth	Specify any 3% or transmit and receive on order	Specify any 5% or transmit and receive on order
Return loss, VSWR	<1.5:1 across specified bandwidth	
Tuning	Factory	Factory
Gain	3 dBd	3 dBd
Maximum power	250 Watts	250 Watts
Impedance - nominal	50 Ohms	50 Ohms
DC grounding	Yes	Yes
Polarisation	Vertical	Vertical
H Plane	360° omni-directional, ± 0.5 dBd	
E Plane	32°	32°
Connector	N-type female in base of mount section - no cable	
Height - at lowest frequency	5.6 metres	4.8 metres
Weight	10Kg	9Kg
Projected area	0.15m ²	0.14m ²
Wind load at 160kph	23Kg, 0.230kN	17Kg, 0.170kN
Mount section	600mm x 48mm	600mm x 48mm
Mounting hardware (order separate)	2 x UAM180L - parallel or 2 x UAM90L - right-angle	
Mounting position (recommended)	Mount as high on your structure, mast or tower as possible using the appropriate mounting clamps	



UAM180L



UAM90L